

hd\_680 DE / DE-V / DEI-V

## THE GENERATION EASY ROTARY SEALERS FOR THE PACKAGING OF SEALABLE POUCHES AND REELS



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**hd**

# GENERATION EASY

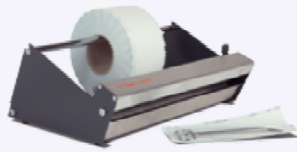
THE HD 680 DE AND HD 680 DE-V/DEI-V ROTARY SEALERS ARE THE HIGH PERFORMANCE DEVICES OF THE HAWO GENERATION EASY PRODUCT LINE. WE'VE DEVELOPED THE EQUIPMENT IN THIS NEW GENERATION OF PRODUCTS FOR THE HIGH DEMANDS ON PROFESSIONALISM, AESTHETIC AND SOLIDITY IN MEDICAL PRACTICES AND CLINICS. THE PURIST AND MEDICAL PRACTICE-SUITED DESIGN, THE HIGH QUALITY AND ROBUST MATERIALS AND OBSERVANCE OF THE HIGHEST SAFETY GUIDELINES, MAKE THE GENERATION EASY EQUIPMENT THE PERFECT COMPANION



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\*In 2007 the hd 680 DE basic device was singled out with the "Good Design Award" from the Chicago Athenaeum—Museum of Architecture and Design. It is assigned annually for outstanding products of industrial product, and graphic design. In addition the hd 680 DE device was nominated for the "German Design Award 2009"—the highest design award in Germany.



Foil roll holder hd 611 S

> **hd 680 DE / hd 680 DE-V / hd 680 DEI-V**

The hd 680 DE and hd 680 DE-V/DEI-V (V = validatable) rotary sealers accomplish the automatic sealing of sterile barrier systems (SBS) in medical practices and clinics. Due to a rotary speed of 10 m/min they are ideal for a high turnover of instruments.

> **DESIGN**

The restrained and clear impression, the sophisticated combination of the materials plastic and stainless steel, as well as the electronic high tech lend the devices a comfortable haptic and aesthetic optic.

> **VALIDATION (ONLY HD 680 DE-V AND HD 680 DEI-V)**

The hd 680 DE-V/DEI-V devices fulfil all necessary requirements for process validation according to EN ISO 11607-2 as well as the therefrom resulting specifications of the German Society for Sterile Supply DGSV detailed in the 'Guideline for the Validation of the Sealing Process'. The hd 680 DEI-V model (I = interface)\* is additionally equipped with an interface for data transfer. In this way, the norm-prescribed, routine documentation of critical process parameters is further simplified.

> **ECOLOGY**

During development, value was placed on a minimum use of material, reduced abrasion and low energy use (hawo „Green Tek™“). Due to a novel sealing system in the hd 680 DE and hd 680 DE-V/DEI-V devices, only 300 watt is needed, which is considerably less power than before. In addition, a stand-by function exists which turns the motor off when not in use.

> **ERGONOMICS**

Work processes in the preparation of instruments should be as simple and comfortable as possible. That's why the unit is aligned for the ideal utilization of the work area—a storage tray is, for example, not necessary.

> **FUNCTIONALITY**

Quickly graspable functions and thought through solutions make perfect operation possible. Due to the patented hawoflex™ sealing system of the hd 680 DE-V/DEI-V the device conforms to every material. In addition, the devices can be fastened to the wall with a special mounting.

> **MAINTENANCE**

The high quality plastic and stainless steel surface guarantees high durability and makes cleaning truly simple. Maintenance is reduced to a minimum; worn parts are easily replaceable.



\* available from 11/09

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# hd 680 DE / DE-V / DEI-V



TEcHnicAI dATA	hd 680 DE	hd 680 DE-V /DEI-V*
Sealing process	automatic / reproducible	automatic / reproducible
Validatable process according to En ISO 11607-2		x
Sealing system	permanently heated	permanently heated
Microprocessor system	x	x
cE sign	x	x
GS-Proven safety	x	in preparation
calibration certificate (at additional cost)	x	x
conformity with din 58953-7:2003	x	x
conformity with En ISO 11607-2		x
Sealing speed/sealing time	10 m/min/ 394 in/min	10 m/min/ 394 in/min
Sealing temperature	max. 220°C / 428° F (monitored)	max. 220°C / 428° F (monitored)
contact pressure	self adjusted 100 n (monitored)	
Temperature tolerance ± 5°C (din 58953-7:2009)	x	x
Machine stop in case the process parameters exceed predetermined limits	x (T)	x (T/F)
Energy-saving function (stand-by)	optional	hd 680 dEi-V* (hd 680 dE-V optional)
Seal seam width	12 mm/0.5 in	12 mm/0.5 in
Seal seam length	endless	endless
Piece counter	optional	hd 680 dEi-V* (hd 680 dE-V optional)
Overheat protection		x
Mains connection, frequency	115/230 V, 50/60 Hz	115/230 V, 50/60 Hz
Power max.	300 Watt	300 Watt
hawo "Green Tek™"	x	x
dimensions W x d x H (for installation)	505 x 255 x 145 mm/19.8 x 10.0 x 5.7 in (incl. infeed section)	505 x 255 x 145 mm/19.8 x 10.0 x 5.7 in (incl. infeed section)
Weight (approx.)	12 kg/26,5 lbs	12 kg/26,5 lbs
Stainless steel casing cover AiSi 304	x	x
Seal distance from edge 0 - 35 mm (variable)	x	x
distance to medical product predefined: > 30 mm (din 58953-7:2003)	x	x
Shape of sealing seam	multi-line (ribbed)	hawoflex™ / multi-line (ribbed),
optional Patented hawoflex™ contact pressure system		x
reverse feed	x	x
Sealing materials: En 868-4 (sealable paper pouches), En 868-5 (sealable pouches and reels), aluminium-laminate film,	x	x
gusseted pouches	x	x
tyvek□ (HdPE)	x	x
Sealing process	automatic / reproducible	automatic / reproducible
interface for data transfer		only version hd 680 dEi-V*
Automatic start of motor by photocell	x	x
<b>AccESSOriES</b>		
Tray hd 650 T	x	x roll conveyor hm 500 rT x
S	x Wall mounting hd 680 W	x x Film roll dispenser hd 611
documentation system ht 180 PT-uSB	x	x Seal check med x x
V) See-through packaging reels (hawomedpack) (1 x W: 200 m x 50, 100, 150, 200, 420, 750 mm)	x	x

\* available from 11/09

## AddiTiOnAI PrOducTS And APPLicATIOnS

**SEAL CHECK MED** An easy to use seal indicator for the daily control of your sealing processes. Occasional problems or errors in quality properties can be easily recognized through this feature. Furthermore, the Seal check med can be used for the routine documentation of the sealing process.

## SERVicE

Maintenance, calibration, validation service and seal seam strength test according to En 868-5:2009.

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